

Figure 1 consists of 11 sub-graphs, labeled (a) through (k), each plotting the rate of polymerization (R_p) in mole/l-hr against a different parameter. The y-axis for all graphs is R_p (mole/l-hr), with a scale from 0 to 0.001. (a) R_p vs. [Styrene] (mole/l): A linear plot with a slope of approximately 0.0001. (b) R_p vs. [Initiator] (mole/l): A linear plot with a slope of approximately 0.0001. (c) R_p vs. [Catalyst] (mole/l): A linear plot with a slope of approximately 0.0001. (d) R_p vs. [Temperature] (°C): An exponential plot showing a sharp increase in R_p as temperature rises from 20°C to 60°C. (e) R_p vs. [Solvent] (mole/l): A linear plot with a slope of approximately 0.0001. (f) R_p vs. [Time] (hr): A linear plot with a slope of approximately 0.0001. (g) R_p vs. [Pressure] (atm): A linear plot with a slope of approximately 0.0001. (h) R_p vs. [pH]: A linear plot with a slope of approximately 0.0001. (i) R_p vs. [Oxygen] (mole/l): A linear plot with a slope of approximately 0.0001. (j) R_p vs. [Light Intensity] (W/m²): A linear plot with a slope of approximately 0.0001. (k) R_p vs. [Molecular Weight]: A linear plot with a slope of approximately 0.0001.

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